



Features

- Clearly laid out model on the uneven reciprocating motion of Whitworth's quick return

Tesca Whitworth Quick Return Apparatus is used to generate an uneven reciprocating motion with slow feed and quick return. This table model clearly demonstrates the transmission behavior of such a layout. The input angle is set by turning the crank.

The output stroke is read on a ruler on the slider. The transmission components are manufactured in aluminum. All axles are equipped with ball bearings. Due to its low weight, the unit is easy to carry using the two handles.

Specifications

- Benchtop experiment on the uneven reciprocating motion of Whitworth's quick return
- Crank radius 46mm, slider radius 55mm, connecting rod length 145mm
- Slider crank and connecting rod mounted on ball bearings
- l_xw_xh 360x280x60mm

Technical Specifications

- Drive crank radius: 46mm
- Slider radius: 55mm
- Axle offset drive slider: 30mm
- Connecting rod length: 145mm

Experiments

- Output stroke of Whitworth's quick return as a function of the input angle of the drive crank

Scope of Delivery

- 1 kinematic model, complete
- 1 set of instructional material

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tescaglobal.com